

PATENT APPLICATION

Sheet 1 of 5

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 10981971-5	APPLICATION NO.	CONFIRMATION NO.
APPLICANT James R. Heath, et al.			
FILING DATE Filed Herewith		GROUP	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>DJc</i>	1A	6,314,019	11/6/2001	Kuekes et al.	Background Reference
	1B	6,128,214	10/3/2000	Kuekes et al.	Background Reference
	1C	6,256,767	7/3/2001	Kuekes et al.	Background Reference
	1D	3,975,623	8/17/76	Weinberger	Background Reference
	1E	4,208,728	6/17/80	Blahut et al.	Background Reference
	1F	5,475,341	12/12/95	Reed	Background Reference
	1G	5,729,752	3/17/98	Snider et al.	Background Reference
	1H	5,790, 771	8/4/98	Culbertson et al.	Background Reference
	1I	5,640,343	6/17/97	Gallagher et al.	Background Reference
	1J	5,519,629	5/21/96	Snider	Background Reference
	1K				

FOREIGN PATENT DOCUMENTS

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<i>DJc</i>	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>DJc</i>	1Q	Heath, J.R., et al., "A Defect-Tolerant Computer Architecture: Opportunities for Nanotechnology", Science, Vol. 280, 12 June 1998, pp. 1716-1721.
	1R	Guo, L., et al., "Nanoscale Silicon Field Effect Transistors Fabricated Using Imprint Lithography", Applied Physics Letters, Vol. 71, 29 September 1997, pp. 1881-1883.
	1S	Morales, A.M., et al., "A Laser Ablation Method for the Synthesis of Crystalline Semiconductor Nanowires", Science, Vol. 279, 9 January 1998, pp. 208-268.

EXAMINER

Douglas Wille

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	2L					
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	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>Rhe</i>	2Q	Heath, J.R., et al., "A Liquid Solution Synthesis of Single Crystal Germanium Quantum Wires", Chemical Physics Letters, Vol. 208, No 3, 11 June 1993, pp. 263-268.
<i>(</i>	2R	Menon, V.P., et al., "Fabrication and Evaluation of Nanoelectrode Ensembles", Analytical Chemistry, Vol 67, July 1, 1995, pp. 1920-1928.
<i>+</i>	2S	Guo, L., et al., "A Silicon Single-Electron Transistor Memory Operating at Room Temperature", Science, Vol. 275, 31 January 1997, pp. 649-651.

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	3P					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Other</i> 	3Q	Trans, S. J., et al., "Room-Temperature Transistor Based on a Single Carbon Nanotube", Nature, Vol. 393, 7 May 1998, pp. 49-52.
	3R	Likharev, K.K., "Correlated Discrete Transfer of Single Electrons in Ultrasmall Tunnel Junctions", IBM Journal of Research and Development, Vol. 32, No. 1, January 1998, pp. 144-158.
	3S	Jones, R. E., et al., "Ferroelectric Non-Volatile Memories for Low-Voltage, Low-Power Applications", Thin Solid Films, Vol. 170, 1 December 1995, pp. 584-588.

EXAMINER <i>Douglas Wright</i>	DATE CONSIDERED <i>28 Sept 04</i>
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	4P					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Psec</i> 	4Q	Amabilino, D.B., et al., "Aggregation of Self-Assembling Branched [n]-Rotaxanes", New Journal of Chemistry, Vol. 22, no. 9, 11 September 1998, pp. 959-972.
	4R	Vossmeier, T., et al., "Combinatorial Approaches Toward Patterning Nanocrystals", Journal of Applied Physics, Vol. 84, No. 7, 1 October 1998, pp. 3664-3670.
	4S	Leff, D.V., et al., "Thermodynamic Control of Gold Nanocrystal Size: Experiment and Theory". The Journal of Physical Chemistry, Vol. 99, 4 May 1995, pp. 7036-7041.

EXAMINER

Douglas Willis

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Sheet 5 of 5

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LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

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	5O					
	5P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>Dkt</i>	5Q	Holloway, J.D., et al., "Electron-Transfer Reactions of Metallocenes: Influence of Metal Oxidation State on Structure and Reactivity", Journal of the American Chemical Society, Vol. 101, 11 April 1979, pp. 2038-2044
<i>S</i>	5R	Mead, C., et al., "Introduction to VLSI Systems", Addison-Wesley, 1980, Chap. 3, Sect. 10, pp. 79-82.
	5S	

EXAMINER

Douglas Antle

DATE CONSIDERED

28 Sept 04